ELSEVIER

General Subjects

Vol. 1426, 1999

BIOCHIMICA ET BIOPHYSICA ACTA
BBA

Author Index

Abe, K., see Kogure, K. (1426) 133
Adachi, T., Takenoshita, M., Katsura, H., Yasuda, K., Tsuda, K., Seino, Y., Enomoto, T., Yamaji, R., Miyatake, K., Inui, H. and Nakano, Y.
Disordered expression of the sucrase–isomaltase complex in the small intestine in Otsuka Long–Evans Tokushima fatty rats, a model of non-insulin-dependent diabetes mellitus with insulin resistance (1426) 126
Aebi, M., see Burda, P. (1426) 239
Akasu, M., see Kogure, K. (1426) 133
Allen, M.M., see Suarez, C. (1426) 429
Andrews, M., see Hermes-Lima, M. (1426) 475
Aoyagi, Y., see Shoji, Y. (1426) 498

Baek, Y.-U., see Rhie, G. (1426) 409
Baker, D.J., see Preston, N.S. (1426) 99
Bocquet, J., see Thiébot, B. (1426) 151
Bonete, M.J., see Pérez-Pomares, F. (1426) 513
Bonnamy, P.-J., see Thiébot, B. (1426) 151
Bottomley, S.P., see Preston, N.S. (1426) 99
Brady, M.J., see Rhie, G. (1426) 409
Bramaz, N., see Pellegrini, A. (1426) 439
Bulet, P., see Hoffmann, R. (1426) 459
Burda, P. and Aebi, M.
The dolichol pathway of *N*-linked glycosylation (1426) 239
Bussey, H., see Lussier, M. (1426) 323
Büssing, A., see Stein, G.M. (1426) 80

Camacho, M., see Pérez-Pomares, F. (1426) 513
Chatham, J.C. and Forder, J.R.
Lactic acid and protein interactions: implications for the NMR visibility of lactate in biological systems (1426) 177
Ciapparelli, C., see DalleDonne, I. (1426) 32
Colombo, R., see DalleDonne, I. (1426) 32
Comazzi, M., see DalleDonne, I. (1426) 32

DalleDonne, I., Milzani, A., Ciapparelli, C., Comazzi, M., Gioria, M.R. and Colombo, R.
The assembly of Ni^{2+}-actin: some peculiarities (1426) 32
Davidson, K.W., see Huber, A.M. (1426) 43
Dean, N.
Asparagine-linked glycosylation in the yeast Golgi (1426) 309
Dickson, R.C. and Lester, R.L.
Yeast sphingolipids (1426) 347
Dobson, J., see Schultheiss-Grassi, P.P. (1426) 212
Domínguez, E. and Heredia, A.
Water hydration in cutinized cell walls: a physico-chemical analysis (1426) 168
Doughty, M.J.
Assessment of the effects of cetypyridium chloride on water content of the collagen-keratocyte matrix of the mammalian corneal stroma ex vivo (1426) 449

Enomoto, T., see Adachi, T. (1426) 126
Escribano, J., Ríos, I. and Fernández, J.A.
Isolation and cytotoxic properties of a novel glycoconjugate from corms of saffron plant (*Crocus sativus* L.) (1426) 217

Fernández, J.A., see Escribano, J. (1426) 217
Ferrer, J., see Pérez-Pomares, F. (1426) 513
Flatt, P.R., see McClenaghan, N.H. (1426) 110
Forder, J.R., see Chatham, J.C. (1426) 177

Gascoyne, P.R.C., see Wang, X. (1426) 53
Gemmill, T.R. and Trimble, R.B.
Overview of *N*- and *O*-linked oligosaccharide structures found in various yeast species (1426) 227
Gentzsch, M., see Strahl-Bolsinger, S. (1426) 297
Gioria, M.R., see DalleDonne, I. (1426) 32
Gore, M.G., see Preston, N.S. (1426) 99
Goto, S., see Kogure, K. (1426) 133

Hashida, M., see Masuda, H. (1426) 420
Hazlewood, C.F., see Isobe, S. (1426) 17
Hemming, F.W., see Wallis, G.L.F. (1426) 91
Heredia, A., see Domínguez, E. (1426) 168
Hermes-Lima, M., Santos, N.C.F., Yan, J., Andrews, M., Schulman, H.M. and Ponka, P.
EPR spin trapping and 2-deoxyribose degradation studies of the effect of pyridoxal isonicotinoyl hydrazone (PIH) on $^{\bullet}OH$ formation by the Fenton reaction (1426) 475
Herscovics, A.
Processing glycosidases of *Saccharomyces cerevisiae* (1426) 275
Hirabayashi, T., see Kimura, F. (1426) 505
Hjertén, S., see Sedzik, J. (1426) 401
Hoffmann, R., Bulet, P., Urge, L. and Otvös Jr., L.
Range of activity and metabolic stability of synthetic antibacterial glycopeptides from insects (1426) 459
Holladay, S.R., Yang, Z., Kennedy, M.D., Leamon, C.P., Lee, R.J., Jayamani, M., Mason, T. and Low, P.S.
Riboflavin-mediated delivery of a macromolecule into cultured human cells (1426) 195
Huber, A.M., Davidson, K.W., O'Brien-Morse, M.E. and Sadowski, J.A.
Gender differences in hepatic phylloquinone and menaquinones in the vitamin K-deficient and -supplemented rat (1426) 43
Hubert, P., see Oerther, S. (1426) 185
Huh, W.-K., see Rhie, G. (1426) 409
Hunziker, P., see Pellegrini, A. (1426) 439
Hwang, C.-S., see Rhie, G. (1426) 409

Ikekita, M., see Yoshimi, Y. (1426) 69
Inui, H., see Adachi, T. (1426) 126
Isemura, M., see Shoji, Y. (1426) 498
Isemura, S., see Shoji, Y. (1426) 498
Ishida, N., see Isobe, S. (1426) 17
Isobe, S., Ishida, N., Koizumi, M., Kano, H. and Hazlewood, C.F.

Effect of electric field on physical states of cell-associated water in germinating morning glory seeds observed by ^{1}H-NMR (1426) 17

Jayamani, M., see Holladay, S.R. (1426) 195
Jiang, L.-j., see Zhang, S.-p. (1426) 205
Jigami, Y. and Odani, T.
Mannosylphosphate transfer to yeast mannan (1426) 335

Kalapos, M.P.
On the promine/retine theory of cell division: now and then (1426) 1
Kamaya, H., see Matsuki, H. (1426) 143
Kang, S.-O., see Rhie, G. (1426) 409
Kanmuri, T., see Nakano, T. (1426) 119
Kano, H., see Isobe, S. (1426) 17
Kapteyn, J.C., Van Den Ende, H. and Klis, F.M.
The contribution of cell wall proteins to the organization of the yeast cell wall (1426) 373
Katsura, H., see Adachi, T. (1426) 126
Kawakami, T., see Shoji, Y. (1426) 498
Kawamura, Y., see Kumagai, H. (1426) 468
Kennedy, M.D., see Holladay, S.R. (1426) 195
Kim, S.-T., see Rhie, G. (1426) 409
Kim, Y.-R., see Rhie, G. (1426) 409
Kimura, F., Nakada, K., Yonemura, I., Hirabayashi, T. and Miyazaki, J.-I.
Tissue-specific distribution of breast-muscle-type and leg-muscle-type troponin T isoforms in birds (1426) 505
Klis, F.M., see Kapteyn, J.C. (1426) 373
Knauer, R. and Lehle, L.
The oligosaccharyltransferase complex from yeast (1426) 259
Kogure, K., Goto, S., Abe, K., Ohiwa, C., Akasu, M. and Terada, H.
Potent antiperoxidation activity of the bisbenzylisoquinoline alkaloid cepharanthine: the amine moiety is responsible for its pH-dependent radical scavenge activity (1426) 133
Kohler, S.J., see Suarez, C. (1426) 429
Koizumi, M., see Isobe, S. (1426) 17
Kolodny, N.H., see Suarez, C. (1426) 429
Komano, H., see Kumagai, H. (1426) 468
Krag, S.S., see Orlean, P.A.B. (1426) 223
Kukuruzinska, M.A. and Lennon-Hopkins, K.
ALG gene expression and cell cycle progression (1426) 359
Kumagai, H., Kawamura, Y., Yanagisawa, K. and Komano, H.
Identification of a human cDNA encoding a novel protein structurally related to the yeast membrane-associated metalloprotease, Ste24p (1426) 468

Langris, M., see Thiébot, B. (1426) 151
Lapicque, F., see Oerther, S. (1426) 185
Leamon, C.P., see Holladay, S.R. (1426) 195
Lee, B.-H., see Rhie, G. (1426) 409
Lee, J.-S., see Rhie, G. (1426) 409
Lee, R.J., see Holladay, S.R. (1426) 195
Lehle, L., see Knauer, R. (1426) 259
Lennon-Hopkins, K., see Kukuruzinska, M.A. (1426) 359
Lester, R.L., see Dickson, R.C. (1426) 347
LLorca, F., see Pérez-Pomares, F. (1426) 513
Low, P.S., see Holladay, S.R. (1426) 195
Lussier, M., Sdicu, A.-M. and Bussey, H.
The *KTR* and *MNN1* mannosyltransferase families of *Saccharomyces cerevisiae* (1426) 323

Mason, T., see Holladay, S.R. (1426) 195
Masuda, H., Takakura, Y. and Hashida, M.
Pharmacokinetics and disposition characteristics of recombinant decorin after intravenous injection into mice (1426) 420
Matsuki, H., Suzuki, A., Kamaya, H. and Ueda, I.
Specific and non-specific binding of long-chain fatty acids to firefly luciferase: cutoff at octanoate (1426) 143
McClenaghan, N.H. and Flatt, P.R.
Glucose and non-glucidic nutrients exert permissive effects on 2-keto acid regulation of pancreatic β-cell function (1426) 110
Milzani, A., see DalleDonne, I. (1426) 32
Miyatake, K., see Adachi, T. (1426) 126
Miyazaki, J.-I., see Kimura, F. (1426) 505
Muller, S., see Oerther, S. (1426) 185
Murphy, L.J., see Rajkumar, K. (1426) 491

Nakada, K., see Kimura, F. (1426) 505
Nakanishi, T., see Saraswathi, M. (1426) 483
Nakano, T., Kanmuri, T., Sato, M. and Takeuchi, M.
Effect of astaxanthin rich red yeast (*Phaffia rhodozyma*) on oxidative stress in rainbow trout (1426) 119
Nakano, Y., see Adachi, T. (1426) 126
Netter, P., see Oerther, S. (1426) 185

O'Brien-Morse, M.E., see Huber, A.M. (1426) 43
Odani, T., see Jigami, Y. (1426) 335
Oerther, S., Payan, E., Lapicque, F., Presle, N., Hubert, P., Muller, S., Netter, P. and Lapicque, F.
Hyaluronate-alginate combination for the preparation of new biomaterials: investigation of the behaviour in aqueous solutions (1426) 185
Ohiwa, C., see Kogure, K. (1426) 133
Orlean, P.A.B. and Krag, S.S.
Preface (1426) 223
Otvös Jr., L., see Hoffmann, R. (1426) 459

Parodi, A.J.
Reglucosylation of glycoproteins and quality control of glycoprotein folding in the endoplasmic reticulum of yeast cells (1426) 287
Payan, E., see Oerther, S. (1426) 185
Peberdy, J.F., see Wallis, G.L.F. (1426) 91
Pellegrini, A., Thomas, U., Bramaz, N., Hunziker, P. and von Fellenberg, R.
Isolation and identification of three bactericidal domains in the bovine α-lactalbumin molecule (1426) 439
Pérez-Pomares, F., Ferrer, J., Camacho, M., Pire, C., LLorca, F. and Bonete, M.J.
Amino acid residues involved in the catalytic mechanism of NAD-dependent glutamate dehydrogenase from *Halobacterium salinarum* (1426) 513
Pfüller, U., see Stein, G.M. (1426) 80
Pire, C., see Pérez-Pomares, F. (1426) 513
Ponka, P., see Hermes-Lima, M. (1426) 475
Popolo, L. and Vai, M.
The Gas1 glycoprotein, a putative wall polymer cross-linker (1426) 385
Presle, N., see Oerther, S. (1426) 185
Preston, N.S., Baker, D.J., Bottomley, S.P. and Gore, M.G.
The production and characterisation of an immobilised chaperonin system (1426) 99

Rajkumar, K. and Murphy, L.J.
Enhanced gluconeogenesis and hepatic insulin resistance in insulin-like growth factor binding protein-1 transgenic mice (1426) 491
Rhie, G., Hwang, C.-S., Brady, M.J., Kim, S.-T., Kim, Y.-R., Huh, W.-K., Baek, Y.-U., Lee, B.-H., Lee, J.-S. and Kang, S.-O.
Manganese-containing superoxide dismutase and its gene from *Candi-*

da albicans (1426) 409
Ríos, I., see Escribano, J. (1426) 217
Robbins, P.W.
Yeast glycosylation – foundations and building blocks (1426) 225

Sadowski, J.A., see Huber, A.M. (1426) 43
Santos, N.C.F., see Hermes-Lima, M. (1426) 475
Saraswathi, M., Nakanishi, T. and Shimizu, A.
Relative quantification of glycated Cu-Zn superoxide dismutase in erythrocytes by electrospray ionization mass spectrometry (1426) 483
Sato, M., see Nakano, T. (1426) 119
Schaller, G., see Stein, G.M. (1426) 80
Schietzel, M., see Stein, G.M. (1426) 80
Schulman, H.M., see Hermes-Lima, M. (1426) 475
Schultheiss-Grassi, P.P., Wessiken, R. and Dobson, J.
TEM investigations of biogenic magnetite extracted from the human hippocampus (1426) 212
Sdicu, A.-M., see Lussier, M. (1426) 323
Sedzik, J., Zhang, R. and Hjertén, S.
Ups and downs of protein crystallization: studies of protein crystals by high-performance capillary electrophoresis (1426) 401
Seino, Y., see Adachi, T. (1426) 126
Shimizu, A., see Saraswathi, M. (1426) 483
Shoji, Y., Aoyagi, Y., Kawakami, T., Isemura, S. and Isemura, M.
Cell adhesion activity for murine carcinoma cells of a wheat germ 55-kDa protein with binding affinity for animal extracellular matrix proteins (1426) 498
Stein, G.M., Schaller, G., Pfüller, U., Wagner, M., Wagner, B., Schietzel, M. and Büssing, A.
Characterisation of granulocyte stimulation by thionins from European mistletoe and from wheat (1426) 80
Strahl-Bolsinger, S., Gentzsch, M. and Tanner, W.
Protein *O*-mannosylation (1426) 297
Suarez, C., Kohler, S.J., Allen, M.M. and Kolodny, N.H.
NMR study of the metabolic ^{15}N isotopic enrichment of cyanophycin synthesized by the cyanobacterium *Synechocystis* sp. strain PCC 6308 (1426) 429
Suzuki, A., see Matsuki, H. (1426) 143

Takakura, Y., see Masuda, H. (1426) 420
Takenoshita, M., see Adachi, T. (1426) 126
Takeuchi, M., see Nakano, T. (1426) 119
Tanner, W., see Strahl-Bolsinger, S. (1426) 297
Terada, H., see Kogure, K. (1426) 133
Thiébot, B., Langris, M., Bonnamy, P.-J. and Bocquet, J.
Activation of protein kinase C pathway by phorbol ester results in a proteoglycan synthesis increase in peritubular cells from immature rat testis (1426) 151
Thomas, U., see Pellegrini, A. (1426) 439
Trimble, R.B., see Gemmill, T.R. (1426) 227
Tsuda, K., see Adachi, T. (1426) 126

Ueda, I., see Matsuki, H. (1426) 143
Urge, L., see Hoffmann, R. (1426) 459

Vai, M., see Popolo, L. (1426) 385
Van Den Ende, H., see Kapteyn, J.C. (1426) 373
von Fellenberg, R., see Pellegrini, A. (1426) 439

Wagner, B., see Stein, G.M. (1426) 80
Wagner, M., see Stein, G.M. (1426) 80
Wallis, G.L.F., Hemming, F.W. and Peberdy, J.F.
Investigation of the glycosyltransferase enzymes involved in the initial stages of the *N*-linked protein glycosylation pathway in *Aspergillus niger* (1426) 91
Wang, X., Yang, J. and Gascoyne, P.R.C.
Role of peroxide in AC electrical field exposure effects on Friend murine erythroleukemia cells during dielectrophoretic manipulations (1426) 53
Wessiken, R., see Schultheiss-Grassi, P.P. (1426) 212

Xie, J., see Zhang, S. (1426) 205

Yamaji, R., see Adachi, T. (1426) 126
Yamazaki, S., see Yoshimi, Y. (1426) 69
Yan, J., see Hermes-Lima, M. (1426) 475
Yanagisawa, K., see Kumagai, H. (1426) 468
Yang, Z., see Holladay, S.R. (1426) 195
Yang, J., see Wang, X. (1426) 53
Yasuda, K., see Adachi, T. (1426) 126
Yonemura, I., see Kimura, F. (1426) 505
Yoshimi, Y., Yamazaki, S. and Ikekita, M.
Developmental changes in Asn-linked neutral oligosaccharides in murine cerebrum (1426) 69

Zhang, S., Xie, J., Zhang, J., Zhao, J. and Jiang, L.
Electron spin resonance studies on photosensitized formation of hydroxyl radical by C-phycocyanin from *Spirulina platensis* (1426) 205
Zhang, J., see Zhang, S. (1426) 205
Zhang, R., see Sedzik, J. (1426) 401
Zhao, J., see Zhang, S. (1426) 205